

# MATERIAL SAFETY DATA

## SECTION I

MANUFACTURING NAME: Akzo Nobel Salt Inc.  
ADDRESS: Abington Executive Park, Clarks Summit, PA 18411  
TRADE NAME: Diamond Crystal® JiffyMelt® Melting Crystals  
CHEMICAL FAMILY: Inorganic Salts (alkali metals - halogen)

EMERGENCY PHONE: 717-587-9241  
DATE PREPARED: 08-01-94  
BY: T. E. Dommer, Director of Technical Service  
FORMULA: Mixture

## SECTION II - HAZARDOUS INGREDIENTS - NONE

CAS REGISTRATION NUMBERS - Contains sodium chloride (7647-14-5), potassium chloride (7447-40-7) and calcium chloride (10043-52-4).

## SECTION III - PHYSICAL DATA

BOILING POINT = NA  
VAPOR PRESSURE = NA  
VAPOR DENSITY = NA

SPECIFIC GRAVITY ( $H_2O = 1$ ) = 2.1  
%VOLATILE (By Volume) = NA  
EVAPORATION RATE = NA

SOLUBILITY IN WATER = Very soluble.

APPEARANCE & ODOR = Solid white to off-white crystalline material is odorless.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT = NONE

EXTINGUISHING MEDIA = NA

FLAMMABLE LIMITS = Not Flammable

EXPLOSIVE LIMITS = Not Explosive

SPECIAL/UNUSUAL FIRE FIGHTING PROCEDURES/HAZARDS - NONE/Not Combustible

NATIONAL FIRE PROTECTION ASSOCIATION CODE = 000

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUES = NA

EFFECTS OF OVERDOSE OR OVEREXPOSURE = Eyes: May cause moderate to severe irritation with corneal injury which may be slow to heal. Skin: Short single exposure not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if skin is damp and/or abraded, or if material is confined to the skin. When dissolving, the heat produced may cause more intense effects as well as thermal burns. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts. Ingestion: Single dose oral toxicity is low. Ingestion may cause gastrointestinal irritation or ulceration effects. Inhalation: Vapors are unlikely due to physical properties. Dust may cause irritation to the upper respiratory tract.

The components of this product are not listed by IARC, NTP or OSHA as a carcinogen for hazard communication purposes.

EMERGENCY & FIRST AID PROCEDURES = Eyes: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel. Skin: Wash off in flowing water or shower. Ingestion: If swallowed induce vomiting immediately by giving two glasses of water and sticking a finger down the throat. Call a physician. (Never give anything by mouth or attempt to induce vomiting in an unconscious person.) Inhalation: Remove to fresh air. If effects occur. Consult a physician.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE = NA

NOTE TO PHYSICIAN: If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to the reactions of the patient.

## SECTION VI - REACTIVITY DATA

STABILITY = Decomposes > 350°F

HAZARDOUS DECOMPOSITION PRODUCTS = NA

CONDITIONS TO AVOID = Calcium chloride will: corrode most metals exposed to air; react with sulfuric acid to form hydrogen chloride, which is corrosive, irritating and reactive; give an exothermic reaction with water reactive materials such as sodium; result in runaway polymerization with methyl vinyl ether; and release ammoniacal vapors when mixed with some ammonium compounds.

EMERGENCY & FIRST AID PROCEDURES = Skin and eyes or other mucous membranes: Flush with water for at least 15 minutes, seek medical attention if irritation persists. Ingestion: High fluid intake facilitates urinary excretion and relief of edema and temporary elevated blood pressure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE = NA

## SECTION VII - SPILLS OR LEAKS PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK - Non-hazardous.

DOT classification = Non-corrosive

Sweep up and flush with water.

WASTE DISPOSAL METHODS - Dry to land fill or dissolve in sufficient amounts of water to meet local existing water quality standards.

## SECTION VIII - SPECIAL PROTECTION & PRECAUTIONS

VENTILATION = Local exhaust or mechanical control dust collection may be used to control airborne levels below the EXPOSURE GUIDELINE of 10 mg/m<sup>3</sup> (IHG)

PERSONAL PROTECTIVE EQUIPMENT = Gloves and eye goggles recommended and respirator optional. Wash hands after handling.

PRECAUTIONS (HANDLING/STORAGE) - Store under DRY conditions to prevent CAKING. Store on pallets under protective cover. Do not store bags directly on damp or concrete floors.